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ABSTRACT

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3 A mounting structure is disclosed for mounting optical
4 devices in optical alignment with optical systems. A mounting
5 comb includes a base and a plurality of spaced apart fingers
6 extending from the base perpendicular to and opposite a mounting
7 surface. The mounting surface of the mounting comb is fixedly
8 attached to the surface of a substrate with the fingers extending
9 outwardly from the substrate. A receiving comb includes a base
10 with a mounting surface and a plurality of spaced apart fingers
11 extending from the base perpendicular to and opposite the
12 mounting surface. The optoelectronic device is fixedly mounted
13 on the mounting surface of the receiving comb. The fingers of
14 the receiving comb and the mounting comb are fixed in an
15 interdigitated orientation by a layer of adhesive so that an I/O
16 light port of the optoelectronic device is optically aligned with
17 an I/O light port of the optical system.